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Notice of Allowability	Application No.	Applicant(s)
	10/823,290	SIMPSON, FRANKLIN FULTON
	Examiner Cheryl Lewis	Art Unit 2167

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to the applicants' communication received on September 18, 2007.
2. The allowed claim(s) is/are 1, 9-11, 13-28, and 30-4, renumbered as claims 1-37.
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 18 September 2007
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.



Cheryl Lewis
Patent Examiner, A.U. 2167
November 23, 2007

DETAILED ACTION

1. Claims 1, 9-11, 13-28, and 30-46 are allowed. These claims have been renumbered as claims 1-37.
2. Claims 2-8, 12, and 29 have been cancelled in the amendment received on September 18, 2007.

Drawings

3. The drawings figures 1-3 filed on April 13, 2004 and the replacement drawing figure 4 filed on September 18, 2007 are accepted by the Examiner.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in an interview with Tom Plunkett on November 19, 2007.

5. Claims 1, 9, 19, 38, 45, and 47 have been amended as follows:
 1. (Currently Amended) A computer implemented method for generating a custom MBean,comprising:
receiving an MBean definition file in XML format;

generating an MBean jar file from the MBean definition file, wherein the MBean jar file includes a tag for the MBean and a tag for each attribute, operation, and potential notification issued by the MBean; and

placing the jar file in a predetermined directory within a managed server in a management domain; and wherein an administration server handles attribute writes and MBean creation and deletion requests for sharable MBeans[.]; and
wherein said generating the MBean jar file from the MBean definition file further comprises:

parsing the MBean definition file;
generating files from the parsed MBean definition file;
and
compiling and storing the generated files in the MBean jar file.

9. (Currently Amended) A computer implemented method for generating a custom MBean, comprising:

receiving an MBean definition file in XML format;
generating an MBean jar file from the MBean definition file, wherein the MBean jar file includes a tag for the MBean and a tag for each attribute, operation, and potential notification issued by the MBean; and

placing the jar file in a predetermined directory within a managed server in a management domain, wherein scope of a custom MBean is a set of locations at which the custom MBean is available, and wherein an administration server contains a copy of all sharable MBeans located in a management domain[.]; and

wherein said generating the MBean jar file from the MBean definition file further comprises:

parsing the MBean definition file;

generating files from the parsed MBean definition file;

and

compiling and storing the generated files in the MBean jar file.

19. (Currently Amended) A computer implemented method for generating a custom MBean, comprising:

receiving an MBean definition file in XML format;

generating an MBean jar file from the MBean definition file, wherein the MBean jar file includes a tag for the MBean and a tag for each attribute, operation, and potential notification issued by the MBean; and

placing the jar file in a predetermined directory within a managed server in a management domain; and wherein when a request is received for an MBean not available on a MBean server, the MBean server calls a method that returns a list of custom MBeans in the management domain[.]; and

wherein said generating the MBean jar file from the MBean definition file further comprises:

parsing the MBean definition file;

generating files from the parsed MBean definition file;

and

compiling and storing the generated files in the MBean jar file.

38. (Currently Amended) A computer implemented method for providing a custom management capability over a management domain, comprising:

receiving an MBean definition file in XML format;

generating an MBean jar file from the MBean definition file, wherein the MBean jar file includes a tag for the MBean and a tag for each attribute, operation, and potential notification issued by the MBean; and

placing the jar file in a predetermined directory within a managed server in the management domain; and

providing a custom management capability through the MBean over the management domain, wherein an administration server handles attribute writes and MBean creation and deletion requests for sharable MBeans[.]; and

wherein said generating the MBean jar file from the MBean definition file further comprises:

parsing the MBean definition file;

generating files from the parsed MBean definition file;
and
compiling and storing the generated files in the MBean
jar file.

45. (Currently Amended) A computer implemented method for providing a custom management capability over a management domain, comprising:

receiving an MBean definition file in XML format;

generating an MBean jar file from the MBean definition file, wherein the MBean jar file includes a tag for the MBean and a tag for each attribute, operation, and potential notification issued by the MBean;

placing the jar file in a predetermined directory within a managed server in a management domain; and

providing a custom management capability through the MBean over the management domain, wherein scope of a MBean is a set of locations at which the MBean is available, and wherein an administration server contains a copy of all sharable Mbeans located in a management domain[.]; and

wherein said generating the MBean jar file from the MBean
definition file further comprises:

parsing the MBean definition file;

generating files from the parsed MBean definition file;

and

compiling and storing the generated files in the MBean
jar file.

46. (Currently Amended) A computer implemented method for providing a custom management capability over a management domain, comprising:

receiving an MBean definition file in XML format;
generating an MBean jar file from the MBean definition file, wherein the MBean jar file includes a tag for the MBean and a tag for each attribute, operation, and potential notification issued by the MBean; and

placing the jar file in a predetermined directory within a managed server in a management domain; and

providing a custom management capability through the MBean over the management domain, wherein when a request is received for an MBean not available on a MBean server, the MBean server calls a method that returns a list of MBeans in the management domain[.]; and

wherein said generating the MBean jar file from the MBean
definition file further comprises:

parsing the MBean definition file;
generating files from the parsed MBean definition file;
and
compiling and storing the generated files in the MBean
jar file.

REASONS FOR ALLOWANCE

6. The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record does not render obvious to one ordinarily skilled in the art at the time of applicant's invention nor anticipate the combination of claimed elements including "placing the jar file in a predetermined directory within a managed server in a management domain; and

providing a custom management capability through the MBean over the management domain, wherein scope of a MBean is a set of locations at which the MBean is available, and wherein an administration server contains a copy of all sharable MBeans located in a management domain; and wherein said generating the MBean jar file from the MBean definition file further comprises: parsing the MBean definition file; generating files from the parsed MBean definition file; and compiling and storing the generated files in the MBean jar file." and as recited in independent claim 1 and similarly recited in independent claims 9, 19, 38, 45, and 46.

The remaining claims, 10, 11, 13-18, 20-28, 30-37, and 39-44, are dependent claims, thus these claims are patently distinct over the art of record for at least the above reasons.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure as follows:

- a. Berkland et al. (Pat. No. 7284039) discloses an apparatus and method for flexible web service deployment;
- b. Chang et al. (Pat. No. 7203697) discloses fine-grained authorization using mbeans; and
- c. Gorman (Pat. No. 6795791) discloses a system and method for testing time-varying signals.

NAME OF CONTACT

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheryl Lewis whose telephone number is (571) 272-4113. The examiner can normally be reached on 6:30-3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cottingham can be reached on (571) 272-7079. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

(571) 273-4113 (Use this FAX #, only after approval by Examiner, for "INFORMAL" or "DRAFT" communication. Examiners may request that a formal paper/amendment be faxed directly to them on occasions.).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/ Technology Center (571) 272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>.

Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Cheryl Lewis/
Patent Examiner, A.U. 2167
November 23, 2007